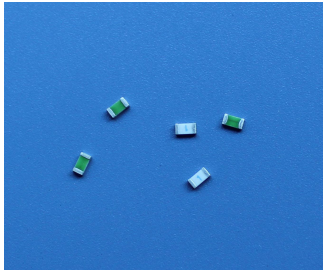


# 124 Chip Fuse



### Main Characteristics

Chip fuse; Fast-Acting(F)

### Standard

UL248-14

### Materials

Substrate: Ceramic  
Termination: Silver over-plated with nickel and Tin

### Operating Temperature

-55°C to +150°C

### Storage Conditions

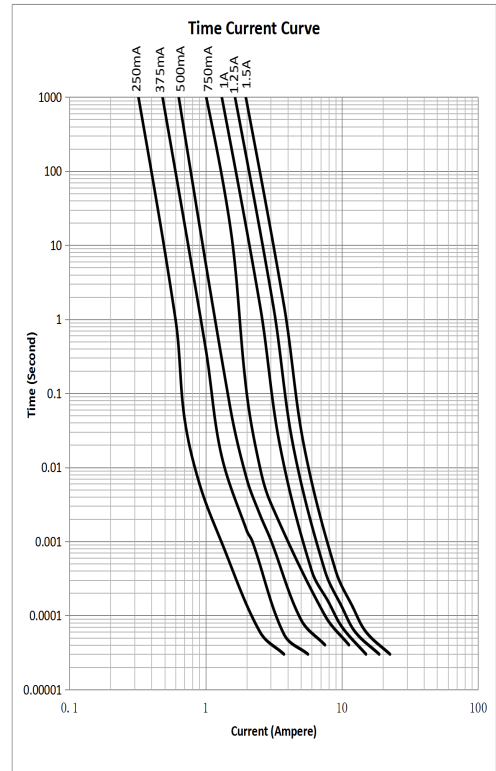
+10°C to +60°C  
Relative humidity: ≤75% yearly average  
Without dew, maximum 30 days at 95%

### Vibration Resistance

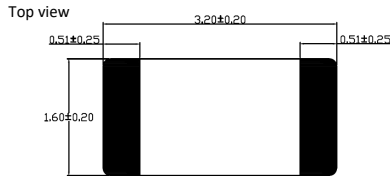
24 cycles at 15 min. each (60068-6)  
10-60Hz at 0.75mm amplitude  
60-2000Hz at 10g acceleration

### Soldering Parameters

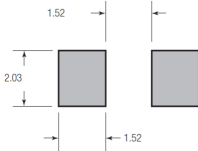
260°C. ≤10 sec (Wave Soldering)  
350°C. ≤3 sec (Hand Soldering)  
Soldering Peak:  
260°C. 10 sec.  
280°C. 5 sec. (IEC 60068-20)



Dimensions (unit: mm)



Recommended land pattern



### Time vs Current Characteristics: UL248-14

Rated Current	100%	250%
250mA~1.5A	>4h	<5s

**cULus** **RoHS** **HF**

### Electrical Characteristics at 25°C

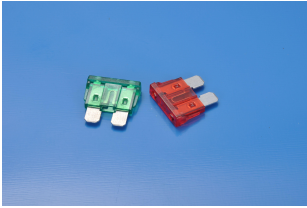
Amp Code	Rated Current	Rated Voltage	Typical Voltage Drop (mV)	Breaking Capacity	Typical Melting I <sup>2</sup> T (A <sup>2</sup> s)	Typical Cold Resistance (mΩ)	Alpha Mark	Approvals
								cURus
0250	250mA	125V AC 125V DC	1407	50A@125V DC 50A@125V AC	0.00012	3608	.25	•
0375	375mA		718		0.0003	1882	E	•
0500	500mA		650		0.0005	1028	0.5	•
0750	750mA		1000		0.0012	850	.75	•
1100	1.00A		300		0.0075	240	H	•
1125	1.25A		290		0.009	175		•
1150	1.50A		250		0.013	125	1.5	•

1. AC Interrupting Rating (measured at designated voltage, 100% power factor); DC Interrupting Rating (measured at designated voltage, time constant of less than 50 microseconds, battery source)
2. DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C
3. Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current

### Ordering Information

Series	Amp Code	Supplementary Code	Qty
124			

# 718 Series / CAR FUSE



### Operating Temperature

-25°C to +85°C (consider de-rating)

### Storage Conditions

+10°C to +60°C

Relative humidity: ≤75% yearly average without dew, maximum 30 days at 95%

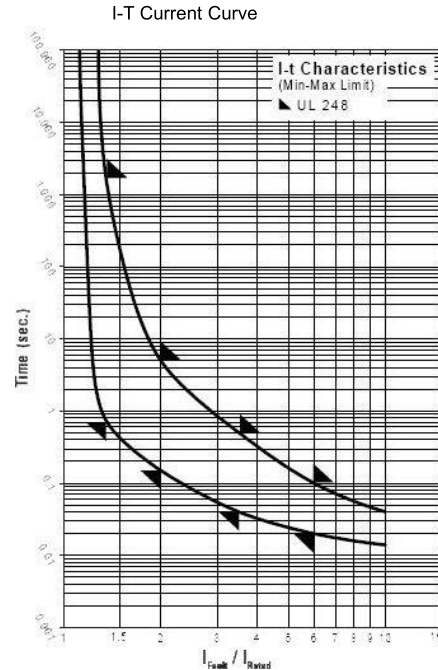
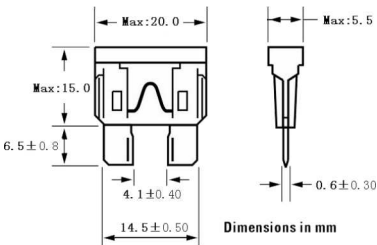
### Vibration Resistance

24 cycles at 15 min. each (60068-6)

10-60Hz at 0.75mm amplitude

60-2000Hz at 10g acceleration

### Dimensions (units in mm)



Time vs Current Characteristics:				
Rated Current	110%	135%	200%	350%
5~40A	>100h	0.75~1800s	0.15~5s	80~500ms



### Electrical Characteristics

Amp Code	Rated Current	Voltage Rating	Body Color Code	Resistance (Ω)	Nominal Melting I <sup>2</sup> T(A <sup>2</sup> sec)	Approvals
						cURus 32V
1500	5.00A	32V	Tan	0.018	26	•
1750	7.50A	32V	Brown	0.011	60	•
2100	10.00A	32V	Red	0.0077	115	•
2150	15.00A	32V	Blue	0.0048	340	•
2200	20.00A	32V	Yellow	0.0033	520	•
2250	25.00A	32V	Natural	0.0025	1080	•
2300	30.00A	32V	Green	0.0019	1510	•
2350	35.00A	32V	Blue Green	0.0016	2280	•
2400	40.00A	32V	Orange	0.0014	3310	•

- Notes:**
1. The breaking capacity for 32V DC it is 1000A.
  2. Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)

### Ordering Information

Series	Amp code	Packaging Code	Qty
718			